

USB-DRO Digital Readout Kit

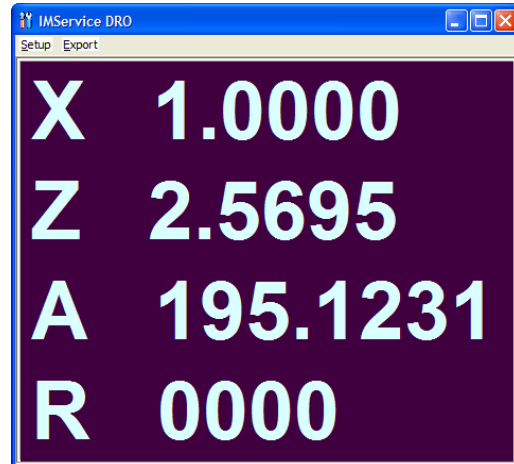
The IMService **USB-DRO kit** consists of software and hardware that provides an encoder count display on a 32-bit Windows O/S computer (XP, Vista). The display and type of counting is user configurable. A hardware counter powers the Digital Read Out with up to 6 channels. The counters operate at speeds up to 1,000,000 counts per second, and each has a 24-bit binary capacity. The number of axes, count modes, colors and on-screen scaling of the display is variable to suit the user tastes and the physical construction of the machine. The user supplies rotary or linear, quadrature encoders or other sensor devices that provide the counts to the counter board. Power for the counter and encoders can be supplied through the USB port.

Modes of operation include:

1. Inch – display resolution .0001 inch
2. Metric – display resolution .001 mm
3. Angular - decimal degrees, displays .0001 degree
4. Angular - degrees, minutes, seconds
5. Tachometer

Other counting features include:

1. 1x, 2x, or 4x scaling of the counts
2. Preset values
3. Clear/Reset channel
4. Clear/Reset All
5. Backlash compensation
6. Reset on Index
7. Plus/minus operation
8. Inch/MM display
9. Write values to Text file for updating/verifying of CNC controller positions.
10. Run multiple DRO displays from the same computer.
11. Run simultaneously with CNC controller software.



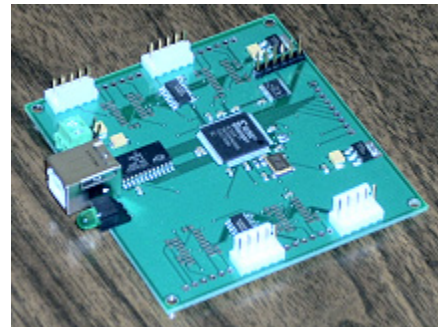
Display options:

1. Standard Windows controls for resizing, maximizing
2. Text size is automatically determined by display Window size. Up to full screen display.
3. Update Frequency Control
4. Hide/visible for each axis
5. Standard or custom text and background colors
6. Assign any alpha character to axis name
7. Select from any Windows Fonts.

User supplied hardware requirement: Works with 2 channel quadrature encoders; Single ended, incremental, 5v TTL level encoders such as the CUI, various US Digital models, and HEDS-Agilent styles, or electrically similar linear scales.

Contents of kit:

- Hardware Counter Board, connectors and crimp terminals
- Licensed DRO Software
- USB cable
- Wiring, installation, and usage instructions



Pricing:

4 axis Kit \$250 USD
6 axis Kit \$350 USD

Availability: Now shipping

IMService, P.O. Box 142, New Hudson, MI 48165

<http://www.imsrv.com>

Phone:888-451-1670 or 248-486-3600